IN HE INVESTIGATION OF AN ACCIDENT WHICH COCHRESS ON THE PHILADELPHIA & READING RAILWAY HEAR LINYINGS. PA., ON JULY 30, 1919.

August 777, 1918.

On July 30, 1919, there was a devaluent of a passenger train on the Philosophia A Reading Railway near himfield, Pa., which resulted in the death of 2 employees and the injury of 1 employee and 5 passengers. After investigation of this assident, the Chief of the Bureau of Safety reports as follows:

The accident occurred on the district between Philadelphia and Reading, at a point share the line to 4-tracked. The two inner tracks are Nos. 1 and 3 and are known as the highspeed tracks, while the outer tracks are Nos. 3 and 4 and known as the low-speed tracks. The accident occurred on track No. 1. Train accounts are governed by time-table, train orders and an automatic block signal system.

Beginning at a point opposite Linfield tower and proceeding conthused, the track in straight for approximately 1,000 feet, verging into a compound ourse approximately 4,100 feet lang, the curvature of which ranges from 1 degree 30 minutes to 4 degrees 9 minutes. The accident occurred at the south and of this compound ourse at which point the ourseture of the track to 4 degrees 9 minutes, with an elevation of 8 inches.

The track 19 laid with 100-pound open-hearth steel ralls, laced in the track in 1915; there are 18 first-class white call ties under each rail, laid on a ballact of crushed stone about 2 feet in depth. Double-apiked tie lates are

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used on each the spil the rails are equipped with anti-rail ercepars, 4 or 5 being used to such rail.

Frain running daily from Potent lle, Pa., to Philadelphia, Pa. On the day of the accident this train consisted of lecommittee 352, I combination car, 2 combine, 2 Philadelphia parlox cars and 1 cough, in the order named, all of the cars being of all-steel construction. The train, in charge of Conductor Buff and Encineman Leiby, left Reading at 9.31 or 9.32 a.m., 6 or 7 minutes late; 14 passed Lindield, 24.4 miles south of Reading, at 111 6 or 7 examing at a speed estimated to have been 80 or 86 miles an hour, was doralled at a point 5,100 feet south of Lindield tower.

actor densiting, the train ran a distance of expressionately 550 feet before the engine turned over, the track for this distance being body torn up. When the train came to a stop, the engine, tender and combination car were turned over on their left sides. The rest of the train remained upright, but with the exception of the rear truck of the reer ear the entire train was derailed. No rails were broken by the densitient, but many were so badly twisted and bent that they were rendered upfit for further corvice and 15 rails were used in repairing track No. 1, while 2 rails were used in repairing track No. 2. The two employees killed in the sections were the engineers and firemen.

Conductor Buff of train No. 88 stated that the air brokes on the train were tested before leaving Reading on the

day of the ampident and were found to be working in good condition. He stated that the train left Reading 7 minutes late, due to connections at Reading, and proceeded on its way at achedule appeal, being approximately 6 minutes late reasing Linfield. He did not notice any application of the brakes before the accident occurred, his first intimation of anything wrong being the crash. He thought the speed at the time of the socident was 50 or 55 miles as hour, the next speed at this point. He expressed no opinion as to the cause of the accident.

The statements of Brakeman Crayer, Flagern Berger and Regger-master Rickson were practically the suce in substance as the statements of Conductor Huff.

and dent contract, he made a thorough inspection of the track and found that, with the exception of the portion form up by the devaluent, it was in good condition as to gauge, line and current. He was of the opinion that specthing might have fallen on the rail and demand the devaluent, and upon looking about, he found a piece of steel which bore evidence of wheels having passed over it and which might have fallen from the train. He stated further that he frequently passes ever this track on fast trains and has elways found it in good riding conditions. He also has consciously interviewed engineers running fact trains over this road as to whether or not they found any bad apots in this vicinity. He stated that the section foremen in charge

of this section of track while serving in that capacity has always been considered thoroughly competent.

Division Engineer Kinsis stated that Track Walker
Terpolitii enthad over this track 20 minutes before the appldent occurred and reported the track in good condition at
that time; there were no trains over track 80. I between the
time of his examination and the time of the applicant. Adding
from the conditions and circumstances, it was the opinion
of Division Engineer Kinsis that he wheels of the tenier were
the first to leave the rails.

Omeral Lecometive Impostor Beak stated that lecometive tive 250 was regularly employed to this run, that the lecometive was inspected before leaving Potseville on the morning of the sequident and found to be in first-class condition.

Superintendent of Motive Power Seiders stated that Regimena Leiby had been a read foresan of engines on the Philodelphia & Reading Railway for a number of years, that he was personally acquainted with him and considered him one of his best and most careful engineers.

Representatives of the Commission's Bureau of Safety were present and saw the inspection of locomotive 36% after the derailment and found by personal observation that there was no defect visible in either the engine or tender which could have caused the accident. The driving whoole had recently been turned and disclosed no wear; the flangue on all shoole were in good condition, and after the accident the brake rigging was found to be intend. The Commission's representatives

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at and on both sides of the point of accident, finding it in first class condition and well maintained.

The cames of this accident is unknown; it is believed that the tender trucks were the first described, for some unknown cames, and forced the driving shocks of the engine to climb the high side of the track on the curve.

At the time of the modificat the engine eres of train to. 38 had been on duty 1 hour and 36 minutes after a period off duty of 13 hours and 5 minutes.

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